



# **Section E**

## ***Advanced Reactors Transition***

### **PROJECT MANAGERS**

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## **SUMMARY**

The Advanced Reactors Transition (ART) Program, WBS 1.12.1, PBS RL-TP11, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Cost/Schedule data contained herein is as of January 31, 2001. All other information is as of February 26, 2001 unless otherwise noted.

For the month of January, surveillance and maintenance activities continued on the 309 Building and NE Legacies. In NE Legacies the quarterly lock and tag audit was completed with no discrepancies noted. Several fire system maintenance Preventive Maintenance Procedures (PMP) including testing of the backflow preventer in the 6-inch fire main and smoke detector sensitivity checks were completed. PRTR Fuel Transfer Pit Stabilization continued with work approvals and field work.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

## **NOTABLE ACCOMPLISHMENTS**

Surveillance and maintenance activities on the 309 Building and NE Legacies continued.

Deactivation activities continued on the retired sodium system in the 337B high bay.

The NE Legacies quarterly lock and tag audit was completed with no discrepancies noted.

Several fire system maintenance PMPs were completed including testing of the backflow preventer in the 6-inch fire main and smoke detector sensitivity checks.

PRTR Fuel Transfer Pit Stabilization continued with work approvals and field work.

## **SAFETY**

Safety data for ART is included in other project reports.

## **ISMS STATUS**

**Green**

The project continues to work on improvement initiatives that resulted from the ISMS Phase II readiness review. These initiatives include improving the Automated Job Hazard Analysis (AJHA) process and worker involvement in work documentation preparation.

## **CONDUCT OF OPERATIONS**

Conduct of operations data for ART is included in a separate FFTF report.

## BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

## UPCOMING ACTIVITIES

- Ship Thermal Transient Loop cold trap offsite by March 30, 2001. (Date is dependent on receiving a Department of Transportation exemption on the shipping container.)
- Stabilize the 309 Building / PRTR Fuel Transfer Pit, April 20, 2001.

## MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

## MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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Overdue – 0

Forecast Late – 0

## PERFORMANCE OBJECTIVES

Nothing to report at this time.

## FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

Green

		FYTD									
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC	
PBS TP11 WBS 1.12	Advanced Reactors Transition	\$ 525	\$ 426	\$ 323	\$ (98)	-19%	\$ 103	24%	\$ 1,895	\$ 1,895	
<b>Total</b>		\$ 525	\$ 426	\$ 323	\$ (98)	-19%	\$ 103	24%	\$ 1,895	\$ 1,895	

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM).

## FY TO DATE SCHEDULE / COST PERFORMANCE

The \$0.1 million (19 percent) unfavorable variance was due to PRTR Fuel Transfer Pit Stabilization activities being delayed due to work approval and fieldwork taking longer than anticipated.

The \$0.1 million (24 percent) favorable cost variance was due to lower-than-anticipated surveillance and maintenance (S&M) costs in the 309 Bldg/PRTR and effective cost performance in the 337B controls and piping scope.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

### Schedule Variance Analysis: (-\$0.1M)

#### Advanced Reactors Transition — 1.12.1/TP11

**Description and Cause:** The unfavorable schedule variance was primarily due to the longer-than-anticipated work approval and field work complications for the 309 Building / PRTR Fuel Transfer Pit cleanout.

**Impact:** The delays experienced may impact the April milestone to stabilize the fuel transfer pit.

**Corrective Action:** Schedule recovery is being managed in conjunction with resource availability.

### Cost Variance Analysis: (+\$0.1M)

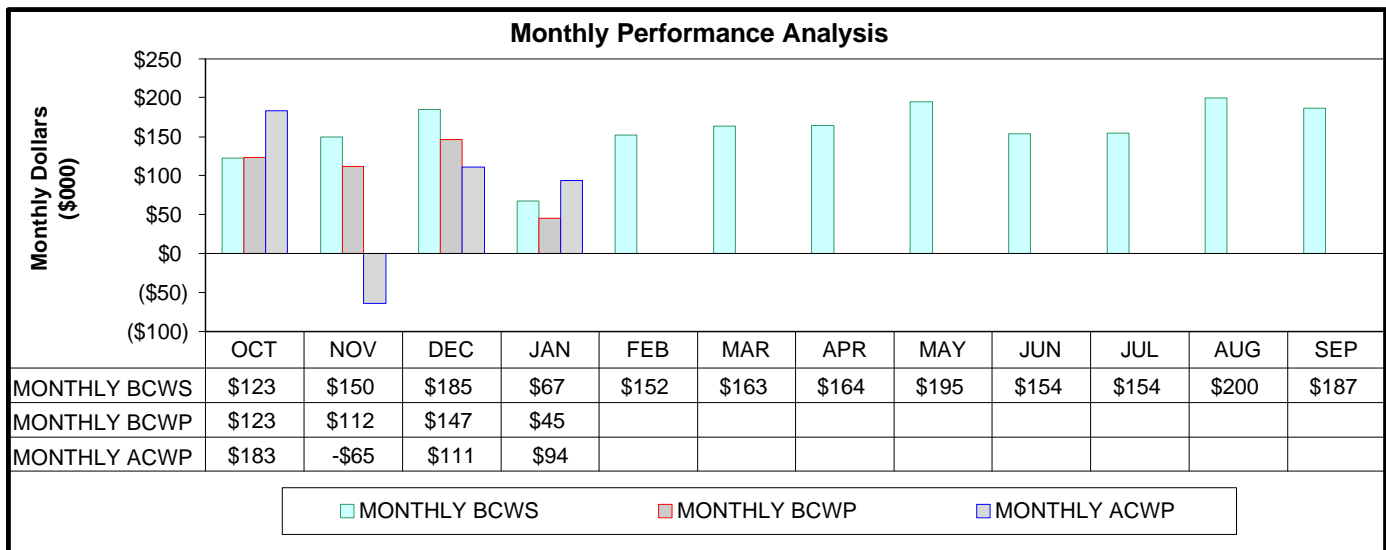
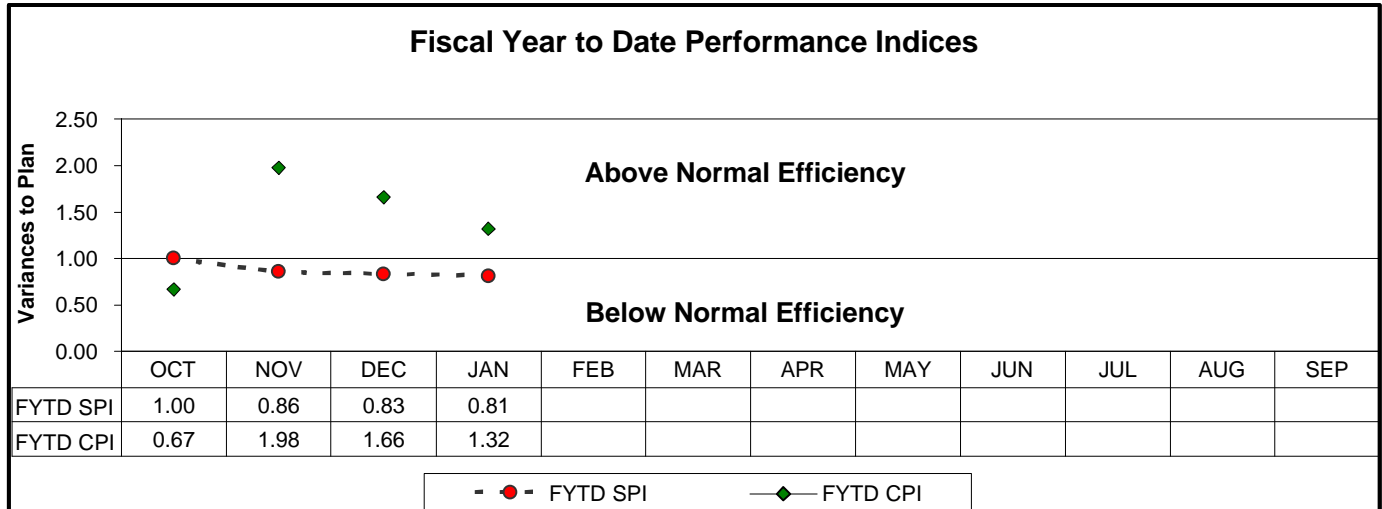
#### Advanced Reactors Transition — 1.12/TP11

**Description and Cause:** The favorable cost variance was primarily due to lower-than-anticipated S&M costs in the 309 Bldg./PRTR and effective cost performance in the 337B controls and piping scope.

**Impact:** Resources will be available for other work.

**Corrective Action:** Additional scope will be implemented.

## COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



## FUNDS MANAGEMENT FUNDS VS SPENDING FORECAST (\$000)

	Project Completion *			Post 2006 *			Line Items *		
	Funds	FYSF	Variance	Funds	FYSF	Variance	Funds	FYSF	Variance
1.12 Advanced Reactors (EM)				\$ 3,485	\$ 3,485	\$ -			
Total Advanced Reactors Operating				\$ 3,485	\$ 3,485	\$ -			
Total Advanced Reactors Line Item									

\* Control Point

## ISSUES

### Technical, Regulatory, External, and Doe Issues and DOE Requests

**Issue:** Nothing to report at this time.

**Impacts:** None.

**Corrective Action:** None at this time.

## BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS (\$000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY01 COST IMPACT \$000	S C H	T E C H	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2001-001	11/17/2000	Reduction to Base Operations & Carryover Funding	409	X	X	11/27/2000	12/04/2000	01/12/2001	Approved
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

## KEY INTEGRATION ACTIVITIES

Nothing to report at this time.